

Appl. No. 10/634,602
Response Dated June 8, 2006
Reply to Office Action of March 8, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A method of coordinating the servicing of events in a system having multiple network interfaces, the method comprising:

detecting an event associated with a first network interface;

querying a second network interface to determine if the second network interface requires servicing;

waking a host processor in response to the detected event;

servicing the first network interface based on the detected event; and

servicing a the second network interface during a same wake session.

2. (Original) The method of claim 1 wherein the detecting comprises detecting an event selected from the group comprising:

a synchronous event;

an asynchronous event;

an internal event; and

an external event.

3. (Original) The method of claim 1 wherein the detecting an event comprises the first network interface receiving a request from an external device.

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4. (Currently Amended) The method of claim 1 wherein the detecting an event comprises detecting an event at a the first network interface.

5. (Currently Amended) A method comprising:
detecting an event related to a first network interface;
querying a second network interface to determine if the second network interface requires servicing;
servicing a the first network interface and a the second network interface in response to the detecting.

6. (Original) The method of claim 5 wherein the detecting comprises detecting an event related to the first network interface selected from the group comprising:
a synchronous event;
an asynchronous event;
an internal event; and
an external event.

7. (Original) The method of claim 5 wherein the detecting comprises detecting an event received at the first network interface.

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8. (Currently Amended) The method of claim 5 wherein the detecting servicing comprises servicing a host processor detecting a timer event related to servicing the first network interface.

9. (Currently Amended) The method of claim 9 ~~8~~ wherein the servicing comprises servicing, ~~during a same wake session, a~~ the first network interface and a the second network interface during a same wake session in response to the detecting.

10. (Currently Amended) The method of claim 5 and further comprising: placing a host processor in a power saving state prior to detecting the event; and returning the host processor to a the power saving state after servicing the first and second network interfaces.

11. (Currently Amended) A method in a system having multiple network interfaces, the method comprising:
detecting an event related to a first network interface;
detecting an event related to a second network interface;
querying any one of the first and second interfaces to determine if any one of the first and second network interfaces require servicing;
notifying a processor of the events for the first and second network interfaces;
servicing the events for both the first and second network interfaces in response to the notifying.

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12. (Original) The method of claim 11 wherein the notifying comprises sending an interrupt to a processor.

13. (Original) The method of claim 11 wherein notifying comprises waking the processor from a power saving state and notifying the processor of the detected events.

14. (Original) The method of claim 11 wherein the system is placed in a power saving state prior to the detecting, and the system is returned to the power saving state after the servicing.

15. (Currently Amended) An apparatus comprising:
a host processor;
at least two network interfaces coupled to the host processor; and
an interface coordinator adapted to coordinate the servicing of the at least two of the network interfaces upon detection of an event related to one of the network interfaces, the interface coordinator to query at least one of the at least two of the network interfaces to determine if the at least one the network interface requires servicing.

16. (Original) The apparatus of claim 15 wherein the at least two network interfaces comprise:

a first network interface in communication with a first wireless network; and
a second network interface in communication with a second wireless network.

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17. (Original) The apparatus of claim 16 wherein the first network interface comprises a WLAN network interface and the second network interface comprises a WPAN network interface.

18. (Original) The apparatus of claim 17 wherein the WPAN network interface comprises a Bluetooth network interface.

19. (Original) The apparatus of claim 15 wherein the at least two network interfaces comprise a first network interface in communication with a wired network and a second network interface in communication with a wireless network.

20. (Original) The apparatus of claim 19 wherein the first network interface comprises an Ethernet network interface and the second network interface comprises a WLAN network interface.